

# Area scan camera ( industrial camera)

LS-CAM-AREA series · Area scan cameras · 35 models

High cost-performance area scan cameras with resolutions from 0.3 MP to 20 MP.

## Features

- High performance, with resolutions ranging from 0.3MP to 20MP
- High cost-performance; resolution covers 0.3 MP to 20 MP
- GigE interface with PoE



## Common specifications

Interface GigE, PoE

## Models

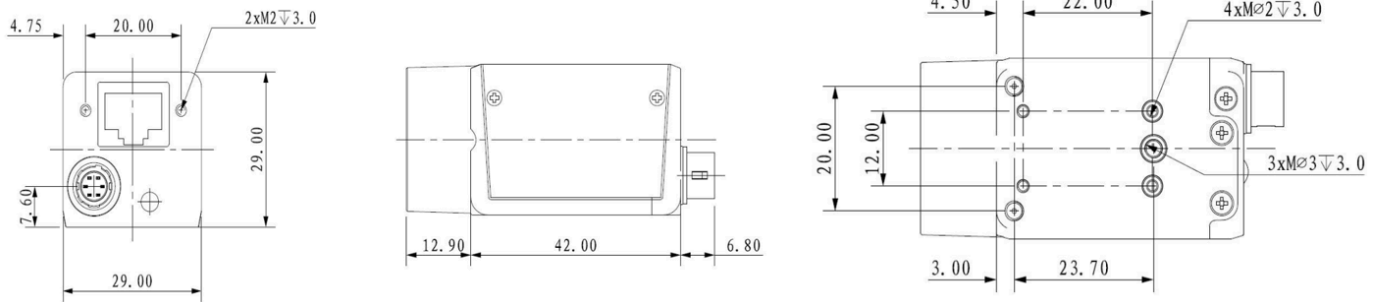
| Model          | Resolution  | Frame rate (fps) | Sensor      | Target plane (sensor format) | Pixel (um <sup>2</sup> ) | Pixel size (um) | Mono / colour |
|----------------|-------------|------------------|-------------|------------------------------|--------------------------|-----------------|---------------|
| LS-CG003-300GM | 640 x 480   | 300              | PYTHON 300  | 1/4"                         | 4.8 x 4.8                | 4.8             | Mono          |
| LS-CG003-300GC | 640 x 480   | 300              | PYTHON 300  | 1/4"                         | 4.8 x 4.8                | 4.8             | Color         |
| LS-DG013-30GM  | 1280 x 960  | 30               | RJ33J4      | 1/3"                         | 3.75 x 3.75              | 3.75 x 3.75     | M/C           |
| LS-DG013-30GC  | 1280 x 960  | 30               | RJ33J4      | 1/3"                         | 3.75 x 3.75              | 3.75            | Color         |
| LS-CG013-60GM  | 1280 x 1024 | 60               | PYTHON 1300 | 1/2"                         | 4.8 x 4.8                | 4.8             | Mono          |
| LS-CG023-50GM  | 1920 x 1200 | 50               | PYTHON 2000 | 2/3"                         | 4.8 x 4.8                | 4.8             | Mono          |
| LS-CG023-50GC  | 1920 x 1200 | 50               | PYTHON 2000 | 2/3"                         | 4.8 x 4.8                | 4.8             | Color         |
| LS-CG050-20GM  | 2448 x 2048 | 20               | IMX264      | 2/3"                         | 3.45 x 3.45              | 3.45            | Mono          |
| LS-CG050-20GC  | 2448 x 2048 | 20               | IMX264      | 2/3"                         | 3.45 x 3.45              | 3.45            | Color         |
| LS-CG053-20GM  | 2592 x 2048 | 20               | PYTHON 5000 | 1"                           | 4.8 x 4.8                | 4.8             | Mono          |
| LS-CG053-20GC  | 2592 x 2048 | 20               | PYTHON 5000 | 1"                           | 4.8 x 4.8                | 4.8             | Color         |

|                  |             |       |             |        |             |             |       |
|------------------|-------------|-------|-------------|--------|-------------|-------------|-------|
| LS-CG080-13GM    | 4096 x 2160 | 13    | XGS8000     | 1/1.1" | 3.2 x 3.2   | 3.2         | Mono  |
| LS-CG120-9GM/C   | 4096 x 3000 | 9     | IMX304      | 1.1"   | 3.45 x 3.45 | 3.45        | M/C   |
| LS-CR050-23GM    | 2592 x 1944 | 23    | AR0521      | 1/2.5" | 2.2 x 2.2   | 2.2         | Mono  |
| LS-CR050-23GC    | 2592 x 1944 | 23    | AR0521      | 1/2.5" | 2.2 x 2.2   | 2.2         | Color |
| LS-CR060-18GM    | 3072 x 2048 | 18    | IMX178      | 1/1.8" | 2.4 x 2.4   | 2.4 x 2.4   | M/C   |
| LS-CR060-18GC    | 3072 x 2048 | 18    | IMX178      | 1/1.8" | 2.4 x 2.4   | 2.4         | Color |
| LS-CR120-9GM     | 4000 x 3000 | 9     | IMX226      | 1/1.7" | 1.85 x 1.85 | 1.85        | Mono  |
| LS-CR120-9GC     | 4000 x 3000 | 9     | IMX226      | 1/1.7" | 1.85 x 1.85 | 1.85        | Color |
| LS-CR200-6GM     | 5472 x 3648 | 6     | IMX183      | 1"     | 2.4 x 2.4   | 2.4         | Mono  |
| LS-CR200-6GC     | 5472 x 3648 | 6     | IMX183      | 1"     | 2.4 x 2.4   | 2.4         | Color |
| LS-CG003-300GM/C | 640 x 480   | 300   | PYTHON 300  | -      | -           | 4.8 x 4.8   | M/C   |
| LS-DG003-200GM   | 640 x 480   | 200   | RJ33        | -      | -           | 7.4 x 7.4   | M     |
| LS-CG004-312GM/C | 720 x 540   | 312.9 | IMX287      | -      | -           | 6.9 x 6.9   | M/C   |
| LS-CG013-90GM    | 1280 x 1024 | 90    | PYTHON 1300 | -      | -           | 4.8 x 4.8   | M     |
| LS-CG016-65GM/C  | 1440 x 1080 | 65    | IMX296      | -      | -           | 3.45 x 3.45 | M     |
| LS-CG020-60GM/C  | 1624 x 1240 | 60    | IMX430      | -      | -           | 4.5 x 4.5   | M/C   |
| LS-CG023-50GM/C  | 1920 x 1200 | 50    | PYTHON 2000 | -      | -           | 4.8 x 4.8   | M/C   |
| LS-CG032-37GM/C  | 2048 x 1536 | 37.5  | IMX265      | -      | -           | 3.45 x 3.45 | M/C   |
| LS-CG050-20GM/C  | 2448 x 2048 | 20    | IMX264      | -      | -           | 3.45 x 3.45 | M/C   |
| LS-CG053-20GM/C  | 2592 x 2048 | 20    | PYTHON 5000 | -      | -           | 4.8 x 4.8   | M/C   |
| LS-CR050-23GM/C  | 2592 x 1944 | 23    | AR0521      | -      | -           | 2.2 x 2.2   | M/C   |
| LS-CR100-7GM/C   | 3840 x 2748 | 7     | MT9J003     | -      | -           | 1.67 x 1.67 | M/C   |
| LS-CR120-9GM/C   | 4000 x 3000 | 9     | IMX226      | -      | -           | 1.85 x 1.85 | M/C   |
| LS-CR200-6GM/C   | 5472 x 3648 | 6     | IMX183      | -      | -           | 2.4 x 2.4   | M/C   |

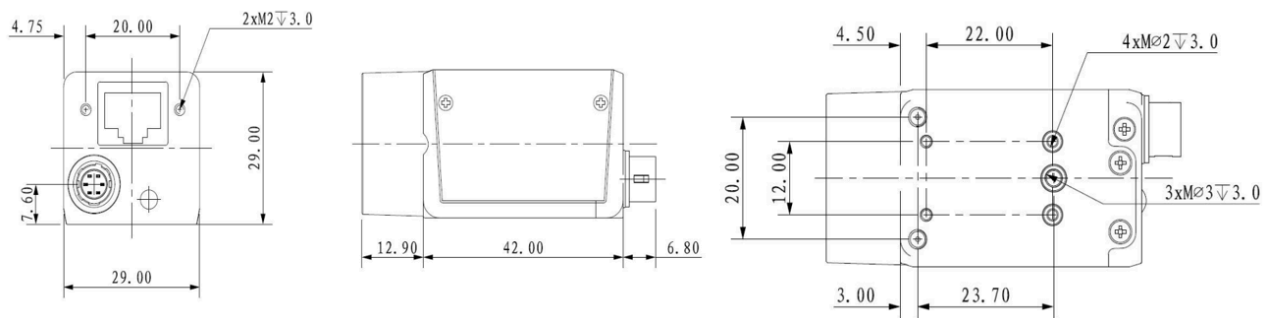
More values per model (Exposure mode, Mono/Color, Data interface, Sensor type, Shutter type, Bit depth, Mono/Color (datasheet), Pixel (datasheet, um), Sensor size (datasheet), Pixel, SNR, Dynamic range...) are on each product page.

## Dimensions

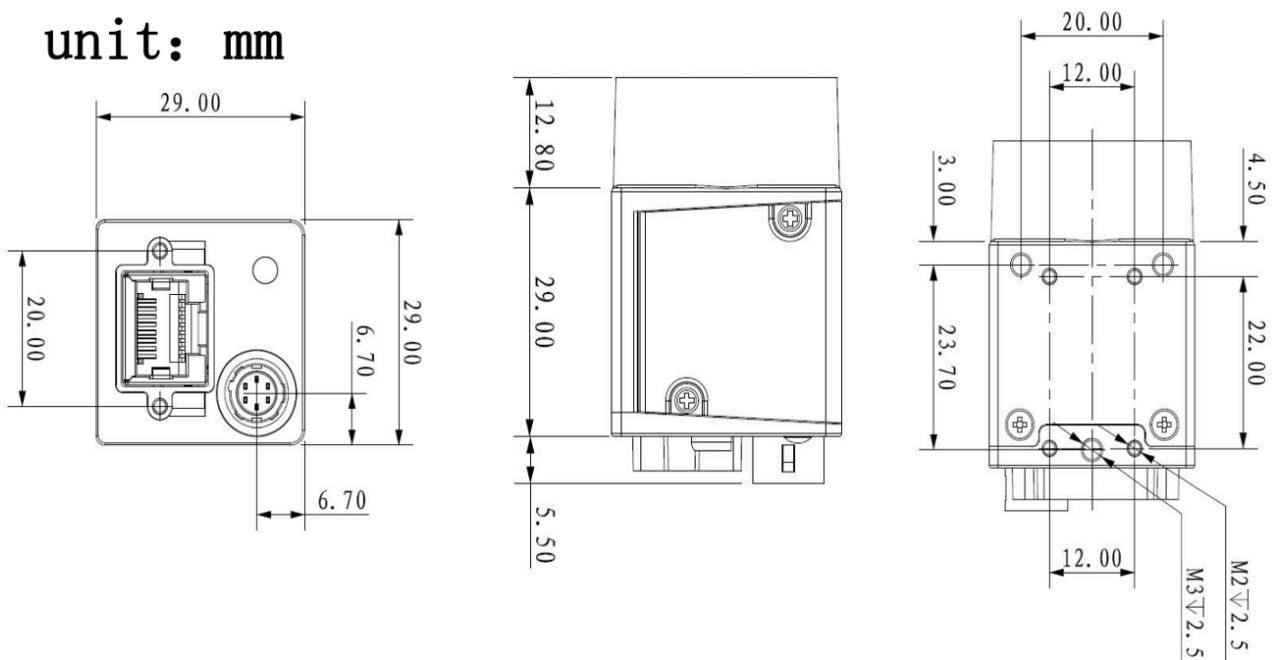
unit: mm



unit: mm

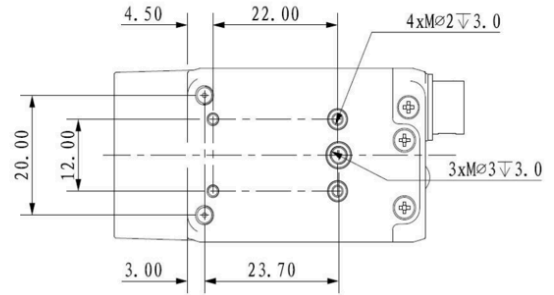
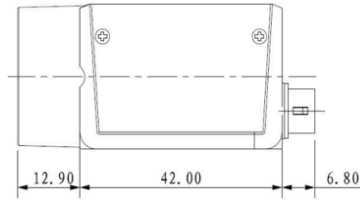
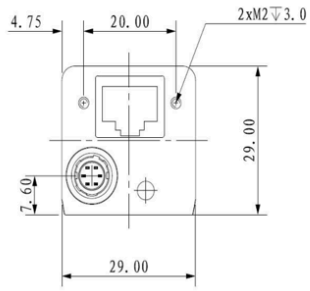


unit: mm





unit: mm



## Performance

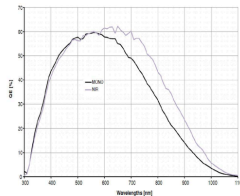


Figure 4: Quantum Efficiency Curve for Standard and NIR Mono

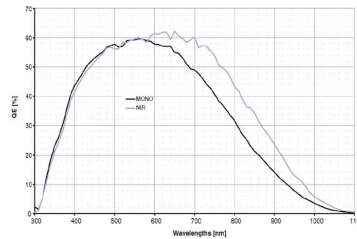
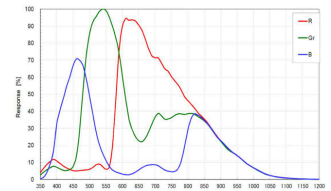
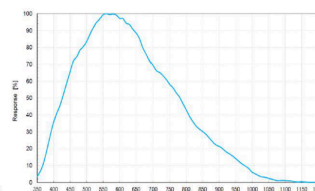
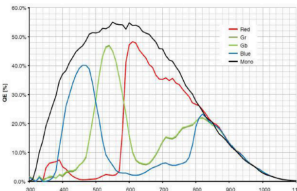
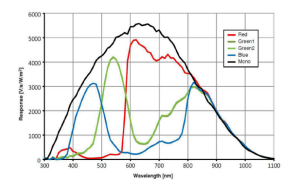
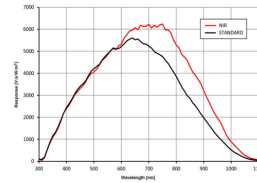


Figure 4: Quantum Efficiency Curve for Standard and NIR Mono



## Product views

